

International application No. PCT/GB 03/02863

## INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)	
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:	
Ciaims Nos.:     because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows:	
see additional sheet	
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.	
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:	
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.:  1-32	
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.	

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-32

Electronic Device comprising a metal complex The prior art (US5946550) describes a method for producing a ultrathin film semiconducting film consisting of Zn-complexes.

The new features mentioned in claims 1-32 are an electronic transistor comprising a linear platinum complex comprising Pt - Pt bonds and alternatively Cl ligands and NH2-R (R= 3,7-dimethyloctyl) ligands.

The special technical features, as defined in rule 13(2) PCT, are an electronic transistor comprising a linear platinum complex comprising Pt - Pt bonds and alternatively Cl ligands and NH2-R (R= 3,7-dimethyloctyl) ligands.

2. claims: 33-41

Method of purifying a semiconductor material The prior art (US5946550) describes a method for producing a ultrathin film semiconducting film consisting of Zn-complexes. The new features mentioned in claims 33-41 are ethod of purifying a semiconductor material The special technical features, as defined in rule 13(2) PCT, are ethod of purifying a semiconductor material

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L51/20 H01L51/30 C07F15/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 HO1L CO7F

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to dalm No.
Х	US 5 946 550 A (PAPADIMITRAKOPOULOS FOTIOS) 31 August 1999 (1999-08-31) figures 6-8	1-5,14, 18,22-32
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	KIMIZUKA N: "TOWARDS SELF-ASSEMBLING INORGANIC MOLECULAR WIRES" ADVANCED MATERIALS, VCH VERLAGSGESELLSCHAFT, WEINHEIM, DE, vol. 12, no. 19, 2 October 2000 (2000-10-02), pages 1461-1463, XP000966765 ISSN: 0935-9648 the whole document	1-6, 15-17

X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
Special categories of cited documents:  'A' document defining the general state of the art which is not considered to be of particular relevance  'E' earlier document but published on or after the international filing date  'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  'O' document referring to an oral disclosure, use, exhibition or other means  'P' document published prior to the international filing date but later than the priority date claimed	<ul> <li>"It tater document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention.</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone.</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"8" document member of the same patent family</li> </ul>
Date of the actual completion of the international search 25 February 2004	Date of mailing of the international search report  1 8. 05 2004
Name and malling address of the ISA  Europesn Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx 31 651 epc nl, Fax: (+31-70) 340-3016	Authorized officer  Königstein, C

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Internat: Application No PCT/GB 03/02863

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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BERGLUND BAUDIN H ET AL: "ULTRAFAST ENERGY TRANSFER IN BINUCLEAR RUTHENIUM-OSMIUM COMPLEXES AS MODELS FOR LIGHT-HARVESTING ANTENNAS"  JOURNAL OF PHYSICAL CHEMISTRY. A, MOLECULES, SPECTROSCOPY, KINETICS, ENVIRONMENT AND GENERAL THEORY, WASHINGTON, DC, US, vol. 106, no. 17, 2 May 2002 (2002-05-02), pages 4312-4319, XP001100646 ISSN: 1089-5639 the whole document	
WO 01/03126 A (CLAUSEN PETER CHRISTIAN; GRYKO DANIEL TOMASZ (US); UNIV NORTH CAROLIN) 11 January 2001 (2001-01-11) the whole document	
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